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ers a notion of the size and power of the creature by which in the eastern hemisphere the prophet Joel, who left us the first entomological monograph ever written, was so impressed.

NATURAL HISTORY AND GEOLOGY IN BOHEMIA.—We have received for notice several important works, containing many lithographic illustrations, upon the botany, natural history, palæontology and geology of Bohemia, by several scientists of Prague, entitled, *Archiv für die Naturwissenschaftliche Landesdurchforschung von Böhmen*, edited by Profs. Koristka and Krejei, who contribute several topographical and geological memoirs to the first volume, which appeared in 1869. Dr. Fric writes on the fossils of the chalk formation, and C. Feistmantel discusses the geology of the coal basin of Bohemia, while Dr. Celakovsky contributes a lengthy prodromus of the flora of Bohemia; Herr Lokaj catalogues the beetles; Alfred Slavik, the land and freshwater molluscs, and E. Barta, the spiders. In the second volume, published in 1873, the prodromus of the flora is continued; and Dr. Fric enumerates the vertebrates and crustacea, and describes the river fisheries of Bohemia. The third part of the prodromus of the flora appeared in 1875, and in 1876 was published Rosicky's *Myriopoda of Bohemia*.

THE works of the Geological Division, as far as received by us, comprise Dr. Em. Boricky's petrographical studies on the basalts, phonolitic and melaphyr rocks of Bohemia, with six fine colored chromo-lithographic, and two plain plates (1874-1876). The second volume contains Dr. A. Fric's fauna of the coal formation of Bohemia, wherein he describes and figures a fossil scorpion (*Cyclophalmus senior* Corda.), a new spider (*Palaranea borassifolia*), and a remarkable Tetradecapod crustacean (*Gamphonychus parallelus* Fric), with broad caudal appendages, and apparently forming a synthetic type, combining Decapod with Amphipod features, and bearing perhaps a family resemblance to our Illinois Carboniferous crustacean, *Acanthotelson* of Meek and Worthen; it has sessile eyes. Karl Feistmantel's Coal basins in different localities of Bohemia; Vala and Helmhacker's iron ores in the region of Prague and Beraun, and Helmhacker's geological description of portions of Bohemia, with a valuable work by Dr. G. C. Laube on the geology of the Erz mountains of Bohemia, are all valuable and fully illustrated; but undoubtedly Boricky's important work on microscopical petrography will excite a very considerable degree of interest among American geologists. The works can be obtained of Fr. Rivnac, the publisher, at Prague, Austria.

KIRBY'S SYNONYMIC CATALOGUE OF BUTTERFLIES.<sup>1</sup>—The appearance of the supplement to this work warrants some notice of one

<sup>1</sup> *A Synonymic Catalogue of Diurnal Lepidoptera*. By W. F. KIRBY. London, 1871. Supplement, March 1871—June, 1877. London, 1877, 8vo. pp. 883. Van Voorst.